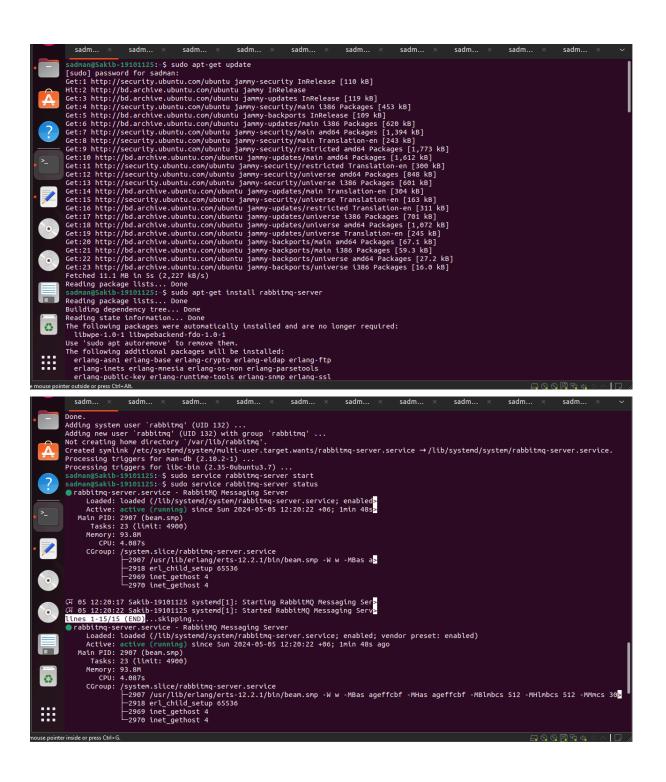
CSE-484 Assignment-4

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ID::19101125 Section:01

- 1- Install RabbitMQ
- 2-Start RabbitMQ
- 3- Install Python3
- 4- Install Python3-pip
- 5- Install pip command
- 6-Install pika
- 7- Create send.py using nano command
- 8- Create receive.py using nano command
- 9- Run both command
- 10- Create work.py using nano command
- 11- Create new_task.py using nano command
- 12- Run both command.



```
sadm... × sadm..
                                                                                                                                     sadm...
                                                                                                                                                                                              sadm...
      0
                rpcsvc-proto Ziloig-dev
Suggested packages:
binutils-doc debian-keyring g++-multilib g++-11-multilib gcc-11-doc
gcc-multilib autoconf automake libtool flex bison gcc-doc
gcc-11-multilib gcc-11-locales apache2 | lighttpd | httpd glibc-doc
git bzr libstdc++-11-doc make-doc python-setuptools-doc
The following NEM packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu build-essential
     Setting up build-essential (12.9ubuntu3) .
 Setting up libpython3-dev:amd64 (3.10.6-1~22.04) ...
 Setting up python3-dev (3.10.6-1~22.04) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-Oubuntu3.7) ...
 sadman@Sakib-19101125:~$ pip install pika
 Defaulting to user installation because normal site-packages is not writeable
Collecting pika
       Downloading pika-1.3.2-py3-none-any.whl (155 kB)
                                                                                                                           155.4/155.4 KB 684.0 kB/s eta 0:00:00
 Installing collected packages: pika
Successfully installed pika-1.3.2
 sadman@Sakib-19101125:~$
        sadm...
                                                    sadm...
                                                                                                sadm...
                                                                                                                                           sadm...
                                                                                                                                                                                       sadm...
                                                                                                                                                                                                                                                                               sadm...
                                                                                                                                                                                                                                   sadm...
      GNU nano 6.2
                                                                                                                                                                                                                              send.py
 import pika
connection = pika.BlockingConnection(pika.ConnectionParameters('localhost'))
channel = connection.channel()
channel.queue declare(queue='hello')
channel.basic_publish(exchange='', routing_key='hello', body='Hello World!')
print(" [x] Sent 'Hello World!'")
 connection.close()
```

```
GNU nano 6.2
                                                       receive.pv *
import pika
def callback(ch,method,properties,body):
   print(" [x] Received %r" %body)
connection = pika.BlockingConnection(pika.ConnectionParameters('localhost'))
channel = connection.channel()
channel.queue_declare(queue='hello')
print(' [*] Waiting for messages. To exit press CTRL+C')
channel.basic_consume(queue='hello', on_message_callback=callback, auto_ack=True)
channel.start_consuming()
sadman@Sakib-19101125:~$ python333 send.py
python333: command not found
sadman@Sakib-19101125:~$ python3 send.py
python3: can't open file '/home/sadman/send.py': [Errno 2] No such file or directory
sadman@Sakib-19101125:~$ python3 send.py
 [x] Sent 'Hello World!'
sadman@Sakib-19101125:~$
 sadman@Sakib-19101125:~$ python3 receive.py
  [*] Waiting for messages. To exit press CTRL+C
  [x] Received b'Hello World!'
 GNU nano 6.2
                                                                    work.py
import pika
import time
def callback(ch,method,properties,body):
    print(" [x] Received %r" % body)
    time.sleep(body.count(b'.'))
    print(" [x] Done")
    ch.basic_ack(delivery_tag=method.delivery_tag)
connection = pika.BlockingConnection(pika.ConnectionParameters('localhost'))
channel = connection.channel()
channel.queue_declare(queue='task_queue', durable=True)
channel.basic_qos(prefetch_count=1)
channel.basic_consume(queue='task_queue', on message callback=callback)
print(' [*] Waiting for messages. To exit press CTRL+C ')
channel.start consuming()
```

```
GNU nano 6.2
                                                                                new task.py
import pika
import sys
connection = pika.BlockingConnection(pika.ConnectionParameters('localhost'))
channel = connection.channel()
channel.queue_declare(queue='task_queue', durable=True)
message = ' '.join(sys.argv[1:]) or "Hello World!"
channel.basic_publish(
    exchange=
    routing_key='task_queue',
    body=message,
properties=pika.BasicProperties(
livery_mode=2 #make_message_persistent
print(" [x] Sent %r" % message)
connection.close()
 sadman@Sakib-19101125:~$ python3 work.py
 [*] Waiting for messages. To exit press CTRL+C
 connectiON = Pika.bloCkingconnEctioN(pika.connectIOnparameteRs9'localhoSt'00
 channel = connection.channel90
 channel.queue-declare9queue='task-queue', durable=true0
  [x] Received b'Hello World!'
[x] Done
[x] Received b'Hello World!'
  [x] Done
sadman@Sakib-19101125:~$ python3 new_task.py
File "/home/sadman/new_task.py", line 10
    exchange=''
SyntaxError: invalid syntax. Perhaps you forgot a comma?
sadman@Sakib-19101125:~$ python3 new_task.py
File "/home/sadman/new_task.py", line 10
    exchange='
SyntaxError: invalid syntax. Perhaps you forgot a comma?
sadman@Sakib-19101125:-$ python3 new_task.py
[x] Sent 'Hello World!'
Traceback (most recent call last):
  File "/home/sadman/new_task.py", line 19, in <module>
    sconnection.close()
NameError: name 'sconnection' is not defined. Did you mean: 'connection'?
 sadman@Saktb-19101125:-$ python3 new_task.py
[x] Sent 'Hello World!'
 sadman@Sakib-19101125:~$
```

